



Installation Manual

A-Series Transformer

PHILIPS

Assembleon
Integrated electronics manufacturing solutions

Document	Installation Manual A-Series Transformer
Based on	-
Order number	4022 593 52311
Supplied with:	PA 1124/10

DOCUMENT HISTORY					
ISSUE	ISSUE DATE	ORDER NUMBER	REVISION CODE	STATUS	RELEASE DOCUMENT
1st issue	July 2008	4022 593 52311	08.01	FINAL	DI-A-series-019

Looking for the latest information?

Visit www.assembleon.com

Our site provides the latest technical information such as spare part lists, Service Informations (SI's) and manuals. Subscribe first to get access to this information.

Feedback on this manual?

Please mail your feedback to:

documentation.feedback@assembleon.com

Add the order number and revision code of this manual.

Installation Manual

A-Series Transformer

CHAPTER 1	Introduction	4
1.1	Objective of this upgrade	4
1.2	Information in this manual	4
1.3	Content of the kit	5
CHAPTER 2	A-series transformer, installation on AX-201	6
CHAPTER 3	A-series transformer, installation on AX-301/501	9

CHAPTER 1 Introduction

1.1 Objective of this upgrade

This transformer is required if the input voltage for the machine is not 3 phases 400 V +/- 10 %, neutral and ground (total 5 wires). The input voltage is country specific and a separate transformer is required in these area's: North American continent, Taiwan and Japan, among others.

The A-series Transformer is an option for:

- AX-201: PA 2410/01 and newer
- AX-301: PA 1120/04 and newer
- AX-501: PA 1121/04 and newer

1.2 Information in this manual

This manual describes only the installation and connecting of the transformer in the concerning machine.

When connecting the machine to the mains, use the appropriate Installation Manual:

- AX-201: Installation Manual AX-201
- AX-301/501: Installation Manual AX-301/501, AX-3/5

1.3 Content of the kit

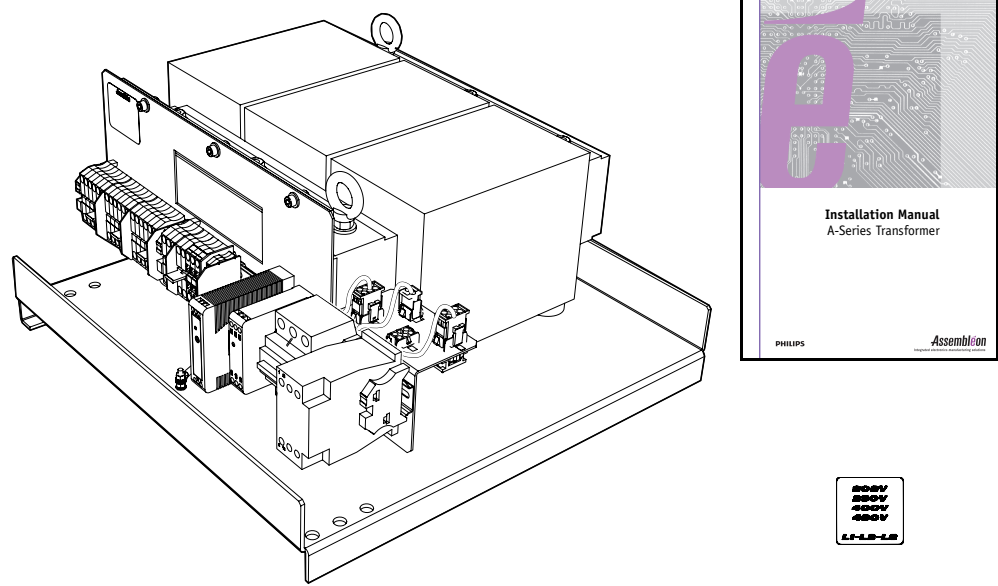


Figure 1 A-series transformer for AX-201, AX-301, AX-501

Item	QTY
A-series Transformer	1
Installation Manual A-series Transformer (this manual)	1
Voltage range sticker.	1

A-series transformer general.fm

CHAPTER 2 A-series transformer, installation on AX-201

Estimated time to complete [min.]: -
 Required special tools: -
 Required part(s) -



DANGER, HIGH VOLTAGE

Contact may cause electric shock or burn.
 Turn off and lock out machine before servicing, see Safety chapter.



HEAVY OBJECT

Improper lifting method may cause injury.
 Use proper tools to lift the object.

Weight:

112 kg

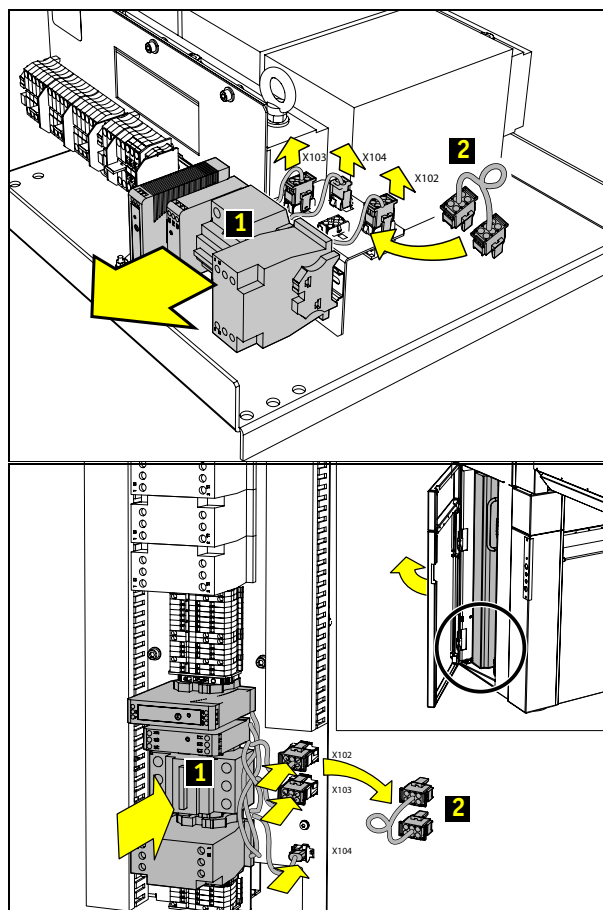
1. Prerequisites

- Ensure that the mains supply to the system is inactive by removing the relevant factory fuses.

2. Transfer parts on transformer

- Remove the parts (1).
- Mount cable (2) between X102-X103.

Note: Take this cable from the control supply unit, see step 3.



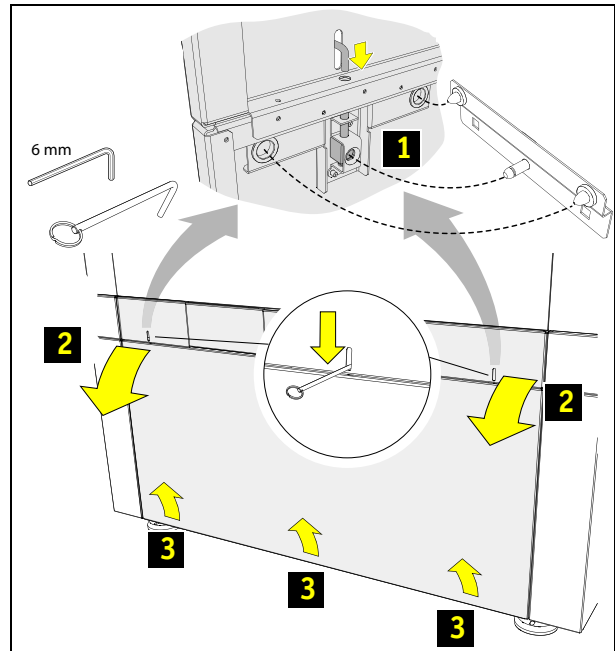
3. Mount parts in control supply unit

- Mount the parts (1).
- Connect these parts, X102, X103 and X104.

A-series transformer for AX-201.fm

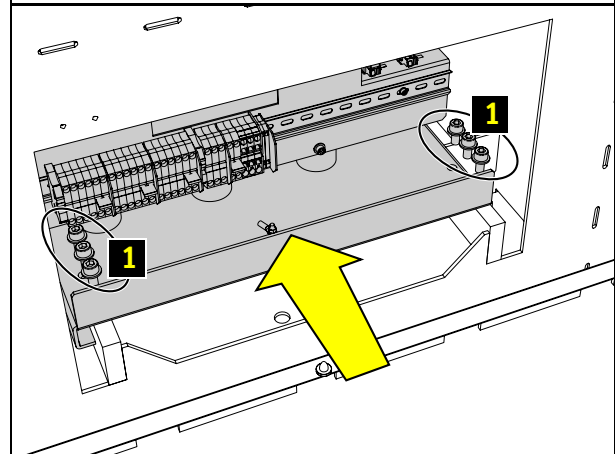
4. Remove panel at the left side of the base

- Release both catches (1).
Use the panel key from the setup tooling kit, or use a 6 mm Allen key.
- Move the panel forward (2) and take it from the three lower fixating points (3).



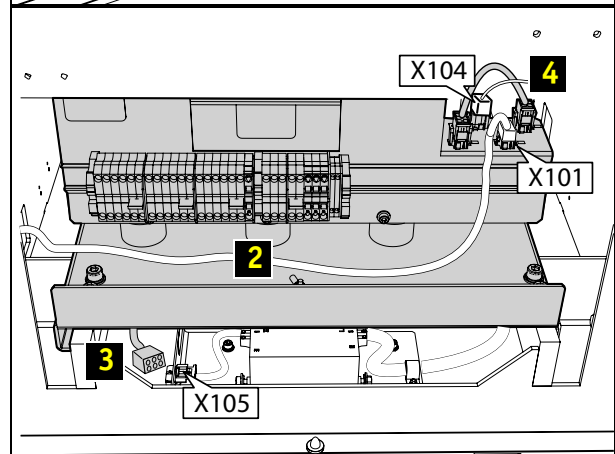
5. Mount transformer

- Slide in transformer.
- Secure the transformer with four bolts (1).



6. Connect transformer

- Disconnect power cable (2) from filter (X105), and connect power cable to transformer (X101).
- Connect cable on transformer (3) to mains supply unit (X105).
- Connect cable (4) to transformer (X104).

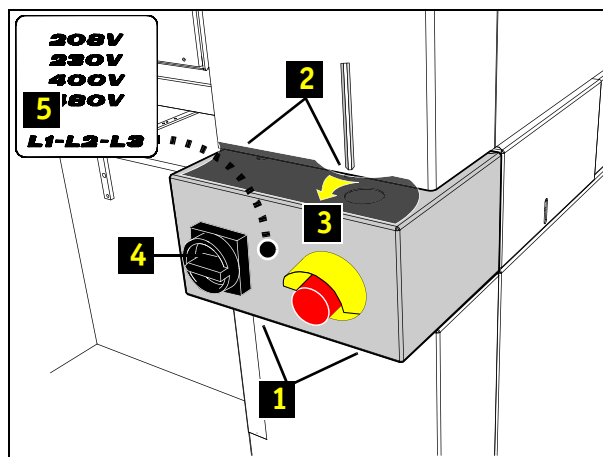


7. Place the voltage range sticker

- Remove the two bolts (1) from underneath.
- Loosen the two bolts (2) on top, turn over the cover (3).
- Turn the main switch (4) in the 'OFF' position and put the cover aside.
- Place the voltage range sticker (5) over the sticker next to the main switch.

8. Connect the machine to the mains

- See Installation Manual AX-201



CHAPTER 3 A-series transformer, installation on AX-301/501

Estimated time to complete [min.]: -
 Required special tools: -
 Required part(s) -



DANGER, HIGH VOLTAGE

Contact may cause electric shock or burn.
 Turn off and lock out machine before servicing, see Safety chapter.



HEAVY OBJECT

Improper lifting method may cause injury.
 Use proper tools to lift the object.

Weight:

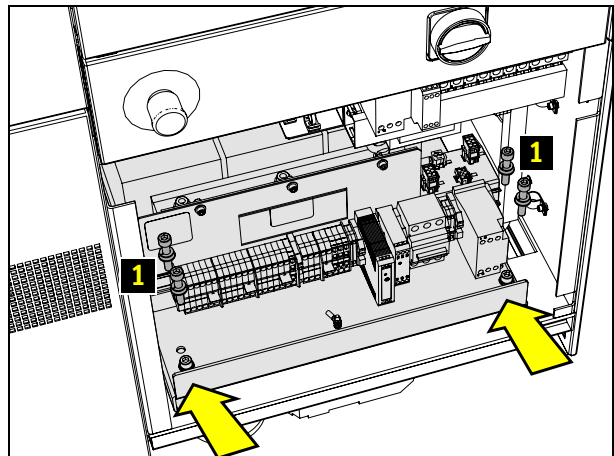
112 kg

1. Prerequisites

- Ensure that the mains supply to the system is inactive by removing the relevant factory fuses.

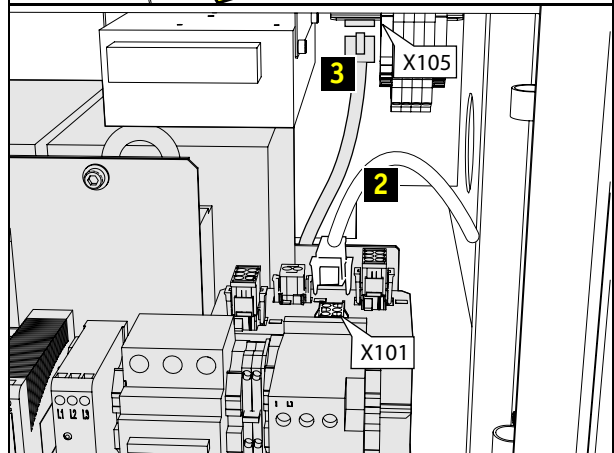
2. Mount transformer

- Open rear left door.
- Slide in transformer.
- Secure transformer with four bolts (1).



3. Connect transformer

- Disconnect power cable (2) from mains supply unit (X105), and connect power cable to transformer (X101).
- Connect cable on transformer (3) to mains supply unit (X105).



4. Place the voltage range sticker

- Open rear left-upper door.
- Remove the 4 bolts and put the panel aside.
- Place the voltage range sticker over the sticker next to the main switch.

5. Connect the machine to the mains

- See Installation Manual AX-301/501.

